

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-13 (canceled)

14. (currently amended) Apparatus ~~as in claim 13~~

for cooling and dispensing water or other beverages comprising

a reservoir means for holding a liquid,

a refrigeration means for cooling the liquid in the reservoir means, and

a dispenser means for dispensing liquid from the reservoir means, wherein

the reservoir means has an upper portion and a lower portion,

the refrigeration means includes a chiller operatively associated with the lower portion of the reservoir means, and

the dispenser means includes a flow path means for defining a liquid flow path from the lower portion of the reservoir means to an outside of the cooler and dispenser unit,

wherein the reservoir means includes

a collapsible bag for containing the liquid, and

a sidewall supporting the collapsible bag,

wherein the flow path means includes a fixture carried by the sidewall of the collapsible bag,

wherein the fixture includes a flexible nozzle-plate of greater rigidity than the sidewall on which it is carried, said nozzle-plate having an outwardly facing surface and at least one outwardly-directed nozzle carried on the outwardly facing surface, said nozzle-plate and said nozzle defining a flow path for liquid through the sidewall of the collapsible bag,

wherein the flow path means further includes a valve assembly unit attached to the nozzle and operable to selectively stop and start flow of liquid through said flow path,

wherein the valve assembly unit comprises a valve-plate having a front side and a back side and a faucet protruding from the front side, said faucet and valve plate defining a flow path for liquid through the valve assembly unit from a liquid inlet on the back side of the valve-plate to an outlet at

an outlet end of the faucet, wherein the nozzle carried by nozzle-plate sealingly engages the liquid inlet on the back side of the valve-plate, said apparatus

further comprising an insulating plate positioned between the valve plate and the nozzle plate.

15. (canceled)

16. (currently amended) Apparatus

for cooling and dispensing water or other beverages comprising

a reservoir means for holding a liquid,

a refrigeration means for cooling the liquid in the reservoir means, and

a dispenser means for dispensing liquid from the reservoir means, wherein,

the reservoir means has an upper portion and a lower portion,

the refrigeration means includes a chiller operatively associated with the lower portion of the reservoir means, and

the dispenser means includes a flow path means for defining a liquid flow path from the lower portion of the reservoir means to an outside of the cooler and dispenser unit,

wherein the reservoir means includes

a collapsible bag for containing the liquid, and

a sidewall supporting the collapsible bag,

wherein the flow path means includes a fixture carried by the sidewall of the collapsible bag,

wherein the fixture includes a flexible nozzle-plate of greater rigidity than the sidewall on which it is carried, said nozzle-plate having an outwardly facing surface and at least one outwardly-directed nozzle carried on the outwardly facing surface, said nozzle-plate and said nozzle defining a flow path for liquid through the sidewall of the collapsible bag,

wherein the flow path means further includes a valve assembly unit attached to the nozzle and operable to selectively stop and start flow of liquid through said flow path,

wherein the valve assembly unit comprises a valve-plate having a front side and a back side and a

faucet protruding from the front side, said faucet and valve plate defining a flow path for liquid through the valve assembly unit from a liquid inlet on the back side of the valve-plate to an outlet at an outlet end of the faucet, wherein the nozzle carried by nozzle-plate sealingly engages the liquid inlet on the back side of the valve-plate.

wherein the outwardly facing surface of said nozzle-plate further defines a plurality of latch elements and the back side of the valve plate carries a matching plurality of latch elements engaged with the plurality of latch elements on the nozzle-plate so that the valve-plate is latched to the nozzle-plate.

as in claim 15 wherein the sidewall supporting the collapsible bag has an upper end and a lower end, a front side and a back side, and a notch in the front side extending from the upper end which receives the valve-plate, so that the nozzle-plate can be latched to the valve-plate to form an assembly which can be slid into location in the notch.

17. (canceled)

18. (currently amended) Apparatus ~~as in claim 13~~

for cooling and dispensing water or other beverages comprising

a reservoir means for holding a liquid,

a refrigeration means for cooling the liquid in the reservoir means, and

5 a dispenser means for dispensing liquid from the reservoir means, wherein

the reservoir means has an upper portion and a lower portion.

the refrigeration means includes a chiller operatively associated with the lower portion of the reservoir means, and

10 the dispenser means includes a flow path means for defining a liquid flow path from the lower portion of the reservoir means to an outside of the cooler and dispenser unit,

wherein the reservoir means includes

a collapsible bag for containing the liquid, and

a sidewall supporting the collapsible bag,

wherein the flow path means includes a fixture carried by the sidewall of the collapsible bag,

15 wherein the fixture includes a flexible nozzle-plate of greater rigidity than the sidewall on which it is

carried, said nozzle-plate having an outwardly facing surface and at least one outwardly-directed nozzle carried on the outwardly facing surface, said nozzle-plate and said nozzle defining a flow path for liquid through the sidewall of the collapsible bag.

20 wherein the flow path means further includes a valve assembly unit attached to the nozzle and operable to selectively stop and start flow of liquid through said flow path.

25 wherein the valve assembly unit comprises a valve-plate having a front side and a back side and a faucet protruding from the front side, said faucet and valve plate defining a flow path for liquid through the valve assembly unit from a liquid inlet on the back side of the valve-plate to an outlet at an outlet end of the faucet, wherein the nozzle carried by nozzle-plate sealingly engages the liquid inlet on the back side of the valve-plate.

wherein the nozzle-plate has a second outwardly-directed nozzle carried on the outwardly facing surface, said nozzle-plate and said second outwardly-directed nozzle defining a second flow path for liquid through the sidewall of the collapsible bag,

30 wherein the valve-plate has second faucet protruding from the front side, said second faucet and valve plate defining a flow path for liquid through the valve assembly unit from a second liquid inlet on the back side of the valve-plate to an outlet at an outlet end of the second faucet,

and means for defining a liquid flow path between the second outwardly-directed nozzle and the second liquid inlet on the back side of the valve-plate.

19. (original) Apparatus as in claim 18 wherein the means defining the liquid flow path between the second outwardly directed nozzle and the second liquid inlet comprises,

5 a heater,
a first conduit extending between the second outwardly directed nozzle and the heater, and
a second conduit extending between the heater and the second liquid inlet,
whereby heated liquid can be dispensed from the second faucet.

20. (original) Apparatus as in claim 19 further comprising
a first quick-connect coupler forming a portion of the first conduit, and
a second quick-connect coupler forming a portion of the second conduit,
so that the flow path means between the second liquid inlet and the second outwardly directed nozzle can be quickly connected or disconnected.

21. (original) Apparatus as in claim 19 wherein the heater is positioned beneath the chiller.

22-39 (canceled)

40. (currently amended) Apparatus

for cooling and dispensing water or other beverages comprising

a reservoir means for holding a liquid,

5 a refrigeration means for cooling the liquid in the reservoir means, and

a dispenser means for dispensing liquid from the reservoir means, wherein,

the reservoir means has an upper portion and a lower portion,

the refrigeration means includes a chiller operatively associated with the lower portion of the reservoir means, and

10 the dispenser means includes a flow path means for defining a liquid flow path from the lower portion of the reservoir means to an outside of the cooler and dispenser unit,

wherein the reservoir means includes

a collapsible bag for containing the liquid, and

a sidewall supporting the collapsible bag,

15 said apparatus further comprising a lid positioned on the upper end of the sidewall supporting the collapsible bag,

wherein the lid has a central opening,

20 wherein the collapsible bag for containing the liquid has an open upper end which is rolled over an upper end of the sidewall supporting the collapsible bag and the lid sandwiches the upper end of the collapsible bag between the upper end of the sidewall and the lid,

25 said apparatus further comprising further comprising
a filtration module positioned in covering relationship with the lid, said filtration module having an inlet for receipt of water from a building water system, at least one filter to filter the received water, and an outlet to supply filtered water through the central opening of the lid to the inside of the collapsible bag,

30 an inlet valve to control flow of water through the filtration module,
means for sensing when a liquid level in the collapsible bag has fallen to a predetermined lower limit and producing an output signal in response thereto to open the inlet valve and cause flow of water through the filtration module and into the collapsible bag, and sensing when the liquid level in the collapsible bag has risen to a predetermined upper limit and terminating the output signal to close the inlet valve and stop flow of water into the collapsible bag,

35 wherein the means for sensing comprises a pressure switch positioned between the outside of the collapsible bag and the sidewall supporting the collapsible bag near a lower portion of the collapsible bag, said pressure switch beginning to transmit an electrical signal to actuate the valve when sensed pressure falls to a predetermined lower limit and ceasing to transmit the electrical signal when sensed pressure reaches a predetermined upper limit.

40 as in claim 39 wherein the collapsible bag for containing the liquid has a sidewall which carries a fixture through which liquid is withdrawn from the bag, said fixture including a flexible nozzle-plate of greater rigidity than the sidewall on which it is carried, said nozzle-plate having an outwardly facing surface and at least one outwardly-directed nozzle carried on the outwardly facing surface, said nozzle-plate and said nozzle defining a flow path for liquid through the sidewall of the collapsible bag, said flow path opening into an inside of the collapsible bag near an upper portion of the collapsible bag above the predetermined upper water limit,
45 said apparatus further comprising a housing supporting the chiller, a container for liquids positioned in the housing, a means for indicating when a liquid level in the container has exceed a predetermined limit, and a conduit for conveying overflow liquid from the nozzle to the container.

41-43 (canceled)

44. (currently amended) Apparatus

for cooling and dispensing water or other beverages comprising

a reservoir means for holding a liquid,

a refrigeration means for cooling the liquid in the reservoir means, and

a dispenser means for dispensing liquid from the reservoir means, wherein

the reservoir means has an upper portion and a lower portion.

the refrigeration means includes a chiller operatively associated with the lower portion of the reservoir means, and

the dispenser means includes a flow path means for defining a liquid flow path from the lower portion of the reservoir means to an outside of the cooler and dispenser unit,

wherein the reservoir means includes

a collapsible bag for containing the liquid, and

a sidewall supporting the collapsible bag.

said apparatus further comprising a lid positioned on the upper end of the sidewall supporting the collapsible bag.

said apparatus further comprising a housing supporting the chiller, said refrigeration means further comprising a compressor positioned in the housing.

said apparatus further comprising a cover at least partially laterally surrounding the housing, the chiller, and the sidewall supporting the collapsible bag.

wherein the refrigeration means further comprises a condenser coil positioned on a back side of the housing and the cover defines a passage to permit air circulation over the condensing coil.

~~as in claim 43~~ wherein the flow path means includes a fixture carried by the sidewall of the collapsible bag and a valve assembly unit attached to the fixture and operable to selectively stop and start flow of liquid through said flow path, wherein the cover further defines a passage to permit access to the valve assembly unit.

45. (original) Apparatus as in claim 44 wherein the passage to permit access to the valve assembly unit is further positioned in a recess defined by the cover, said cover further forming a trough at a lower end of the recess to capture spillage from the dispensing of liquid from the valve assembly unit.

46. (original) Apparatus as in claim 44 wherein the cover further includes a lid positioned on an upper end thereof.